

IN THE SPECIFICATION:

Please amend the specification as follows:

On page 6, please replace the paragraph that begins on line 10 with the following new paragraph:

C\ Figure 12 illustrates a system configuration where parts of a 3rd generation system, such as the LAC protocol, are integrated into the MC/IWF MSC/IWF of the 2nd generation, and

On page 17, please replace the paragraph that begins on line 16 with the following new paragraph:

C2 Figure 9 illustrates how several simultaneous circuit-switched and packet-switched calls of the same mobile station MS may be implemented in the third generation radio access network, e.g. UMTS. The radio access network is connected to core networks by means of an interworking function unit or units IWU-A (add-on unit). In this example the mobile communication network and the packet network are located in the core networks. The terminal TE of the mobile station MS comprises n active applications, each of which requires one call or one connection of a multimedia call. One traffic channel which is common to all calls is established between the mobile station MS and the network adapter IWU-A as well as between the interworking functions IWU-A and IWF. A virtual connection (circuit) is established for each call or connection of a call inside the common traffic channel, each virtual connection using a specific part of the traffic channel's capacity. The IWU-A connects packet-switched calls to the packet data node PDN. Data packets are transmitted between the PDN and the packet data terminal TE via a packet-switched packet network. The IWU-A connects circuit-switched calls to the interworking function IWF. The interworking function [[IFW]] IWF connects the virtual connections of the traffic channel to separate physical channels in the fixed network. There is one physical channel per each circuit-switched call between the fixed network terminals TE (e.g. PSTN or ISDN) and the interworking function IWF.

On page 18, please replace the paragraph that begins on line 33 with the following new paragraph:

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Figure 11 illustrates transmission of circuit-switched and packet-switched calls according to the invention in a pure third generation mobile communication system. The mobile station MS is similar to that illustrated in Figure 10. On the network side the radio access system is connected to a third generation mobile services switching centre MSC, which comprises an LAC unit 100, rate adaptation function RA 101, modem 102, telefax unit 103 and packet data node PDN 104. The LAC unit 100 is substantially similar to the LAC unit 92 of Figure 10. According to the inventive idea, a common traffic channel and LAC link comprising virtual channels are established between the units 91 and 100. The LAC 91 packs the circuit-switched and packet-switched data transmitted by the applications 1, 2 and 3 into LAC frames, which are then transmitted to the LAC unit 100 via the common traffic channel. The LAC unit 100 separates circuit-switched data from the packet-switched data. The packet-switched data is supplied to a packet data node PDN 104 which transmits the packet data to the packet network. The circuit-switched data is supplied selectively (depending on the service the call requires) to units 101, 102 and 103 which are connected to a PSTN/ISDN network. The LAC unit 100 may also be connected to an [[ATN]] ATM network.

On page 19, please replace the paragraph that begins on page 15 with the following new paragraph:

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Figure 12 illustrates an approach which is more integrated than that of Figures 9 and 10. In this approach parts of the third generation system, such as the LAC protocol 200, have been embedded in the ~~MC/IWF~~ MSC/IWF of the second generation. The packet data node PDN may also be integrated into the IWF. The add-on unit IWU-B is responsible for physical applications of the traffic channel (e.g. ATM/ISDN primary rate), any transparent rate adaptations and signalling adaptations. In the case of Figure 12 one common traffic channel is established between the mobile station MS and the interworking function MSC/IWF. The function of the traffic channel is similar to that in a pure third generation mobile communication system, which was described with reference to Figure 11.